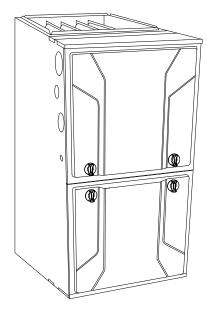


# **Product Data**



A11264

The 986TA Multipoise Variable-Speed Condensing Gas Furnace is features the two-stage Evolution® System. The Perfect Heat® technology two-stage gas valve is at the heart of the comfort provided by this furnace, along with the variable-speed ECM blower motor, and two-speed inducer motor. With an Annual Fuel Utilization Efficiency (AFUE) up to 96.5%, the Evolution two-stage gas furnace provides exceptional savings as well when compared to standard gas furnaces. This Evolution Gas Furnace also features 4-way multipoise installation flexibility, and is available in five model sizes. The 986TA can be vented for direct vent/two-pipe, ventilated combustion air, or single-pipe applications. A Bryant Evolution Control and Evolution Air Conditioner or Heat Pump, can be used to form a complete Evolution System. All units meet California Air Quality Management District emission requirements. All sizes are design certified in Canada.

### STANDARD FEATURES

- Evolution® System; compatible with **single-zone** Evolution systems
- Evolution Features—match with the Evolution Control for Evolution System benefits
- Quiet operation. Compare for yourself at HVACpartners.com
- Ideal height 35" (889 mm) cabinet: short enough for taller coils,

but still allows enough room for service

- Silicon Nitride Perfect Light™ Hot Surface Igniter
- SmartEvap<sup>™</sup> technology helps control humidity levels in the home when used with a compatible humidity control system
- FanOn Plus technology allows control of continuous fan speed from a compatible thermostat
- External Media Filter Cabinet included
- 4-way multipoise design for upflow, downflow or horizontal installations, with unique vent elbow and optional throughthe-cabinet downflow venting capability
- Variable-Speed blower motor, two-speed inducer motor, and two-stage gas valve
- Self-diagnostics and extended diagnostic data through the Advanced Product Monitor (APM) accessory or Evolution User Interface
- Adjustable blower speed for cooling, continuous fan, and dehumidification
- · Aluminized-steel primary heat exchanger
- · Stainless-steel condensing secondary heat exchanger
- Propane convertible (See Accessory list)
- Factory-configured ready for upflow applications
- Fully-insulated casing including blower section
- Convenient Electronic Air Cleaner and Humidifier connections
- Direct-vent/sealed combustion, single-pipe venting or ventilated combustion air
- Installation flexibility: sidewall or vertical vent
- Residential installations may be eligible for consumer financing through the Retail Credit Program

### LIMITED WARRANTY\*

- 10 year parts and lifetime heat exchanger limited warranty to the original purchaser upon timely registration.
- Limited warranty period is five years for parts and twenty years for the heat exchanger if not registered within 90 days of installation.†
- \* For owner occupied, residential applications.

†Jurisdictions where warranty benefits cannot be conditioned on registration will receive registered limited warranty benefits.













Use of the AHRI Certified  $\tau_M$  Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

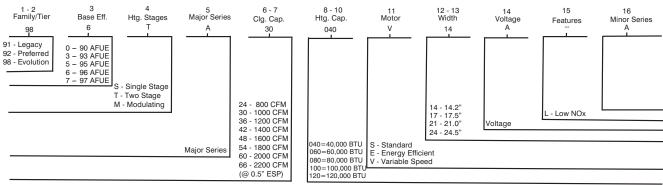




## **SPECIFICATIONS**

<b>Heating Capaci</b>	ity and Efficiency		030040	042060	048080	048100	066120			
	High Heat	(BTUH)	40,000	60,000	80,000	100,000	120,000			
Input	Low Heat	(BTUH)	26,000	39,000	52,000	65,000	78,000			
0 1 1	High Heat	(BTUH)	39,000	58,000	78,000	98,000	117,000			
Output	Low Heat	(BTUH)	25,000	38,000	50,000	63,000	76,000			
Efficiency	AFUE % (ICS)		96.5	96.3	96.2	96.5	96.5			
	•	High Heat	40 - 70	35 - 65	40 - 70	45 - 75	45 - 75			
Certified Temper		riigirrieat	(21-38)	(19-36)	(21-38)	(25-41)	(25-41)			
Rise Range °F (	(°C)	Low Heat	30 - 60	30 - 60	30 - 60	30 - 60	30 - 60			
			(17-33)	(17-33)	(17-33)	(17-33)	(17-33)			
•	y and Blower Data		030040	042060	048080	048100	066120			
Certified Externa Pressure (in. w.c		Heating	0.10	0.12	0.15	0.20	0.20			
		Cooling	0.5	0.5	0.5	0.5	0.5			
Airflow Delivery		High Heat	815	1135	1510	2035	2375			
@ Rated ESP (C	CFM)	Low Heat	660	860	860	1530	1675			
@ . m. = 20. (0	······,	Cooling	905	1475	1610	1805	2115			
Cooling Capacity		400 CFM/ton	2	3.5	4	4.5	5			
@ 400, 350 CFM		350 CFM/ton	2.5	4	4.5	5	6			
Direct-Drive Moto				·	y Commutated	Motor (ECM)				
Direct-Drive Moto	or HP		1/2	3/4	3/4	1	1			
Motor Full Load	Amps		6.8	8.4	8.4	10.9	10.9			
RPM Range					600 - 1200					
Speed Selection	s				Variable (PWM)	1				
Blower Wheel Di	ia x Width	in.	11x7	11x8	11x8	11x10	11 x 11			
Air Filtration Syst	tem				Supplied Media eld Supplied Fil					
Filter Used for C	ertified Watt Data		KGAWF1606UFR	KGAWF1306UFR	KGAWF1406UFR	KGAWF1506UFR	KGAWF1506UFR			
Electrical Data			030040	042060	048080	048100	066120			
Input Voltage		Volts-Hertz-Phase			115-60-1					
Operating Voltag	ge Range	Min-Max			104-127					
Maximum Input	Amps	Amps	8.2	9.8	9.8	12.3	12.3			
Unit Ampacity		Amps	11.0	13.0	13.0	16.1	16.1			
Minimum Wire S	iize	AWG	14	14	14	12	12			
Maximum Wire L	_ength	Feet	33	28	28	35	35			
@ Minimum Wire	e Size	(M)	(10.1)	(8.5)	(8.5)	(10.7)	(10.7)			
Maximum Fuse/0 (Time-Delay Type	Ckt Bkr e Recommended)	Amps	15	15	15	20	20			
Transformer Cap	pacity (24vac output)			•	40 VA	•	•			
External Control	Power	Heating			24.3 VA					
Available		Cooling			34.6 VA					
Controls			030040	042060	048080	048100	066120			
Gas Connection	Size			•	1/2" - NPT					
Burners (Monop	ort)		2	3	4	5	6			
		Manufacturer			White Rogers™	1	I.			
			5 45							
Gas Valve (Redu	undant)	Minimum Inlet Gas pressure (in. W.C.)			4.5					
Gas Valve (Redu	undant)	pressure (in. W.C.) Maximum Inlet Gas			13.6					
		pressure (in. W.C.)			13.6	<b>-</b>				
Gas Conversion	Kit - Natural to Propane	pressure (in. W.C.) Maximum Inlet Gas			13.6 (GANP5201VSF					
Gas Conversion Gas Conversion	Kit - Natural to Propane Kit - Propane to Natural	pressure (in. W.C.) Maximum Inlet Gas		ŀ	13.6 (GANP5201VSF (GAPN4401VSF	)				
Gas Conversion Gas Conversion Manufactured (M	Kit - Natural to Propane	pressure (in. W.C.) Maximum Inlet Gas		ŀ	13.6 (GANP5201VSI (GAPN4401VSI pproved for MH	)				
Gas Conversion Gas Conversion Manufactured (Manufactured Ignition Device	Kit - Natural to Propane Kit - Propane to Natural	pressure (in. W.C.) Maximum Inlet Gas	165	not a	13.6 KGANP5201VSF KGAPN4401VSF approved for MF Silicon Nitride	d use	160			
Gas Conversion Gas Conversion Manufactured (N Ignition Device Limit Control	Kit - Natural to Propane Kit - Propane to Natural Mobile) Home Kit	pressure (in. W.C.) Maximum Inlet Gas	165	not a	13.6 KGANP5201VSK KGAPN4401VSK Approved for MH Silicon Nitride 170	d use	160			
Gas Conversion Gas Conversion Manufactured (M Ignition Device Limit Control Heating Blower (M	Kit - Natural to Propane Kit - Propane to Natural Mobile) Home Kit  Control (Heating Off-Delay)	pressure (in. W.C.) Maximum Inlet Gas	165	not a	13.6 KGANP5201VSF KGAPN4401VSF approved for MF Silicon Nitride 170 90, 120, 150, 1	d use	160			
Gas Conversion Gas Conversion Manufactured (N Ignition Device Limit Control Heating Blower (Cooling Blower (Co	Kit - Natural to Propane Kit - Propane to Natural Mobile) Home Kit  Control (Heating Off-Delay) Control (Time Delay Relay)	pressure (in. W.C.) Maximum Inlet Gas	165	not a  180  Adjustable:	13.6  KGANP5201VSF KGAPN4401VSF Exproved for MF Silicon Nitride 170 90, 120, 150, 1 90 seconds	160 80 seconds	160			
Gas Conversion Gas Conversion Manufactured (N Ignition Device Limit Control Heating Blower (Cooling Blower (Communication)	Kit - Natural to Propane Kit - Propane to Natural Mobile) Home Kit  Control (Heating Off-Delay) Control (Time Delay Relay) System	pressure (in. W.C.) Maximum Inlet Gas	165	not a  180  Adjustable:	13.6  KGANP5201VSF KGAPN4401VSF Exproved for MF Silicon Nitride 170 90, 120, 150, 1 90 seconds	160 80 seconds	160			
Gas Conversion Gas Conversion Manufactured (N Ignition Device Limit Control Heating Blower (Cooling Blower (Co	Kit - Natural to Propane Kit - Propane to Natural Mobile) Home Kit  Control (Heating Off-Delay) Control (Time Delay Relay) System nections	pressure (in. W.C.) Maximum Inlet Gas		not a  180  Adjustable:	13.6 KGANP5201VSR KGAPN4401VSR Exproved for MF Silicon Nitride 170 90, 120, 150, 1 90 seconds Hution (non-zon 1, G, COM 24V,	160 80 seconds ing) W/W1, Y/Y2, R				

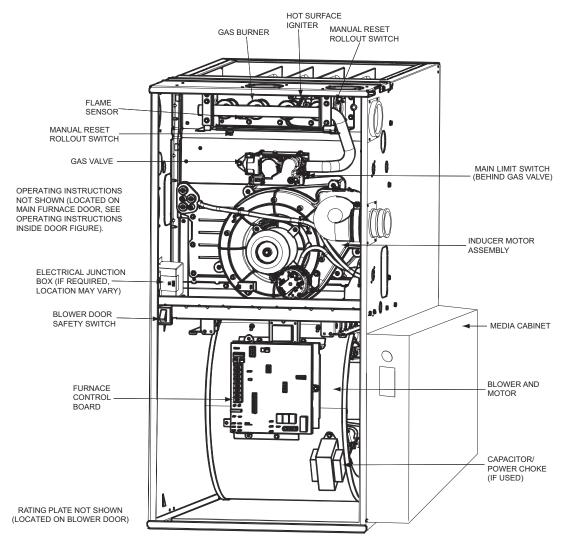
### MODEL NUMBER NOMENCLATURE



Not all familes have these models.

A11163

### **FURNACE COMPONENTS**



REPRESENTATIVE DRAWING ONLY, SOME MODELS MAY VARY IN APPEARANCE.

### **ACCESSORIES**

AC	CESSURIES					
DESCRIPTION	PART NUMBER	10040	42060	48080	48100	66120
Venting, Drainage and Installation	•			•		•
Vent Kit - Through the Cabinet	KGADC0101BVC	Χ	Х	Х	Х	Х
Vent Terminal - Concentric - 2" (51 mm)	KGAVT0701CVT	Χ	Х	Х	Х	N/A
Vent Terminal - Concentric - 3" (76 mm)	KGAVT0801CVT	N/A	Х	Х	Х	Х
Vent Terminal Bracket - 2" (51 mm)	KGAVT0101BRA	Х	Х	Х	Х	N/A
Vent Terminal Bracket - 3" (76 mm)	KGAVT0201BRA	N/A	Х	Х	Х	Х
CPVC to PVC Drain Adapters - 1/2" CPVC to 3/4" PVC	KGAAD0110PVC	Х	Х	Х	Х	Х
Horizontal Trap Grommet - Direct Vent	KGACK0101HCK	Х	Х	Х	Х	Х
Freeze Protect Kit - Heat Patch for Drain Trap	KGAHT0201CFP	Х	Х	Х	Х	Х
Freeze Protect Kit - Heat Tape	KGAHT0101CFP	Х	Х	Х	Х	Х
Furnace Base Kit for Combustible Floors	KGASB0201ALL	Х	Х	Х	Х	Х
Gas Conversion				1	Į	1
Gas Cnv Kit - Nat to LP; Var-spd Products	KGANP5201VSP	Х	Х	Х	Х	Х
Gas Cnv Kit - LP to Nat; Var-spd Products	KGAPN4401VSP	Х	Х	Х	Х	Х
Gas Orifice Kit - #42 (Nat Gas)	KGAHA0150N42	X	X	X	X	X
Gas Orifice Kit - #43 (Nat Gas)	KGAHA0250N43	X	X	X	X	X
Gas Orifice Kit - #44 (Nat Gas)	KGAHA0350N44	X	X	X	X	X
Gas Orifice Kit - #45 (Nat Gas)	KGAHA0450N45	X	X	X	X	X
Gas Orifice Kit - #46 (Nat Gas)	KGAHA0550N46	X	X	X	X	X
Gas Orifice Kit - #47 (Nat Gas)	KGAHA1550N47	X	X	X	X	X
Gas Orifice Kit - #48 (Nat Gas)	KGAHA1650N48	X	X	X	X	X
Gas Orifice Kit - #54 (LP)	KGAHA0650P54	X	X	X	X	X
Gas Orifice Kit - #55 (LP)	KGAHA0750P55	X	X	X	X	X
Gas Orifice Kit - #56 (LP)	KGAHA0850P56	X	X	X	X	X
Gas Orifice Kit - 1.25mm (LP)	KGAHA5750125	X	X	X	X	X
Gas Orifice Kit - 1.25mm (LP)	KGAHA5750130	X	X	X	X	X
Indoor Air Quality	10A11A3730130	^	_ ^	^	^	^
Bryant Perfect Air Purifier - 16x25 (406x635 mm)	GAPAAXBB1625-A08	Х	Х	Х	Х	X
Bryant Perfect Air Purifier - 20x25 (508x635 mm)	GAPAAXBB2025-A08	X	X	X	X	X
Bryant Perfect Air Purifier Repl. Filter- 16x25 (406x635 mm)	GAPABBCAR1625-A05	X	X	X	X	X
Bryant Perfect Air Purifier Repl. Filter- 20x25	GAPABBCAR1625-A05	X	X	X	X	X
EZ Flex Cabinet 16" (406 mm)	EZXCABBB1016-A20	X	X	X	X	X
EZ Flex Cabinet 10" (400 mm)	EZXCABBB1010-A20	X	X	X	X	X
Cartridge Media Filter - 16" (406 mm)	FILXXCAR0016	X	X	X	X	X
Cartridge Media Filter - 20" (508 mm)	FILXXCAR0010	X	X	X	X	X
Cartridge Media Filter - 24" (610 mm)	FILXXCAR0020		X	X	X	X
EZ-Flex Filter - 16" (406 mm)	EXPXXFIL0016	N/A X	X	X	X	X
EZ-Flex Filter - 10 (406 mm)	EXPXXFIL0016 EXPXXFIL0020	X	X	X	X	X
EZ-Flex Filter - 24" 610 mm)	EXPXXFIL0020 EXPXXFIL0024		X	X	X	X
,		N/A		X		
EZ-Flex Filter with End Caps - 16" (406 mm)	EXPXXUNV0016	X	X		X	X
EZ-Flex Filter with End Caps - 20" (508 mm)	EXPXXUNV0020	X	X	X	X	X
EZ-Flex Filter with End Caps - 24" (610 mm)	EXPXXUNV0024	N/A	X	X	X	X
Filter Pack (6 pack) - Washable - 16x25x1 (406x635x25 mm)	KGAWF1306UFR	X	X	X	X	X
Filter Pack (6 pack) - Washable - 24x25x1 (610x635x25 mm)	KGAWF1506UFR	N/A	Х	Х	Х	Х
Controls	0\/0T\/DDL!!D04.5	\ <u>'</u>				
Evolution™ Control User Interface	SYSTXBBUID01-D	Х	Х	Х	Х	Х
Service Tools	L(0.4.0D.000.4.4.5					
Advanced Product Monitor - APM	KGASD0301APM	Х	X	X	X	X
ECM Motor Simulator Kit  Y = Used with this model furness	KGASD0301FMS	Х	Х	Х	Х	Х

X = Used with this model furnace

N/A = Not used with this model furnace

## AIR DELIVERY - CFM (BOTTOM RETURN WITH FILTER)

(SW1-5 and SW4-3 set to OFF, except as indicated. See Notes 1 and 2.)

INPUT	Coolin	g Switch Se	ettinas	External Static Pressure (E.S.P.)									
BTUH	SW2-3	SW2-2	SW2-1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
	OFF	OFF	OFF	1125	1080	1020	970	905	855	805	755	700	635
	OFF	OFF	ON	615	555	510	475	440	395	355	270	230	note 7
	OFF	ON	OFF	785	740	695	665	630	590	565	520	485	450
	OFF	ON	ON	990	950	910	875	850	815	770	720	670	615
	ON	OFF	OFF	1125	1080	1020	970	905	855	805	755	700	635
40000	ON	OFF	ON	1125	1080	1020	970	905	855	805	755	700	635
	ON	ON	OFF	1125	1080	1020	970	905	855	805	755	700	635
	ON	ON	ON	1125	1080	1020	970	905	855	805	755	700	635
		m Cooling I		1125	1080	1020	970	905	855	805	755	700	635
	Hig	h Heat Airflo	ow <sup>3</sup>	815	770	725	695	660	625	595	550	510	475
	Lov	l w Heat Airflo	l <sub>DW</sub> 3	660	605	560	530	495	450	415	340	300	note 7
INPUT	Coolin	Cooling Switch Settings External Static Pre											
BTUH	SW2-3	SW2-2	SW2-1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
	OFF	OFF	OFF	1330	1295	1260	1220	1190	1150	1110	1075	1045	1005
	OFF	OFF	ON	725	660	600	520	435					
	OFF	ON	OFF	780	725	660	615	540					
	OFF	ON	ON	975	925	875	835	785	750	690	655	610	570
	ON	OFF	OFF	1160	1120	1090	1045	1010	970	920	885	840	800
60000	ON	OFF	ON	1330	1295	1260	1220	1190	1150	1110	1075	1045	1005
	ON	ON	OFF	1705	1650	1595	1545	1475	1415	1340	1275	1200	1105
	ON	ON	ON	1705	1650	1595	1545	1475	1415	1340	1275	1200	1105
	Maximu	m Cooling /	Airflow <sup>2</sup>	1705	1650	1595	1545	1475	1415	1340	1275	1200	1105
		h Heat Airflo		1145	1105	1075	1030	995	955	905	870	825	785
INPUT		w Heat Airflo		870	820	760	720	655 nal Static P	620	560	525	470	435
BTUH	SW2-3	SW2-2	SW2-1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
	OFF	OFF	OFF	1805	1765	1720	1665	1610	1540	1475	1400	1315	1235
	OFF	OFF	ON	775	635	455	230	note 7					
	OFF	ON	OFF	840	740	675	625	555					
	OFF	ON	ON	995	955	910	860	815	770	720	660	620	585
	ON	OFF	OFF	1175	1140	1090	1060	1025	980	940	905	855	815
80000	ON	OFF	ON	1325	1280	1245	1210	1180	1140	1105	1070	1025	990
	ON	ON	OFF	1545	1515	1480	1445	1410	1380	1350	1315	1245	1175
	ON	ON	ON	1805	1765	1720	1665	1610	1540	1475	1400	1315	1235
	Maximu	ım Cooling <i>i</i>	Airflow <sup>2</sup>	1805	1765	1720	1665	1610	1540	1475	1400	1315	1235
	Hig	h Heat Airflo	ow <sup>3</sup>	1520	1490	1455	1420	1385	1355	1320	1285	1220	1155
	Lov	w Heat Airflo	ow <sup>3</sup>	1180	1145	1095	1065	1030	985	945	910	860	820

### AIR DELIVERY - CFM (BOTTOM RETURN WITH FILTER) (CONTINUED)

(SW1-5 and SW4-3 set to OFF, except as indicated. See Notes 1 and 2.)

INPUT	Coolir	g Switch So	ettings				Exte	rnal Static F	ressure (E	.S.P.)			
BTUH	SW2-3	SW2-2	SW2-1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
	OFF	OFF	OFF	0115	0005	1005	1000	1005	1725	1605	1540	1405	1045
	OFF	OFF	OFF	2115	2035	1965	1890	1805	1725	1625	1540	1435	1345
	OFF	OFF	ON	870	715	585	525	450					
	OFF	011	055	1005	050	000	005	770					
	OFF	ON	OFF	1025	950	900	835	770					
	OFF	ON	ON	1210	1165	1105	1055	1000	950	895	845	800	735
	ON	OFF	OFF	1400	1355	1295	1250	1205	1155	1110	1060	1020	960
	ON	OFF	UFF	1400	1333	1295	1230	1205	1155	1110	1000	1020	900
100000	ON	OFF	ON	1615	1570	1525	1485	1435	1395	1345	1310	1260	1210
	ON	ON	OFF	2115	2035	1965	1890	1805	1725	1625	1540	1435	1345
	ON	ON	OFF	2115	2035	1905	1090	1003	1725	1025	1540	1435	1343
	ON	ON	ON	2115	2035	1965	1890	1805	1725	1625	1540	1435	1345
	Manda	0	A ! £1 2	0445	0005	1005	1000	1005	4705	1005	4540	1.405	4045
	Maximu	im Cooling	Airtiow-	2115	2035	1965	1890	1805	1725	1625	1540	1435	1345
	Hig	h Heat Airflo	ow <sup>3</sup>	2115	2035	1965	1890	1805	1725	1625	1540	1435	1345
		11 1 A: (1	2	4575	1500	1.405	1115	1005	1050	1005	1005	1015	1105
	Lo	w Heat Airflo	J	1575	1530	1485	1445	1395	1350	1305	1265	1215	1165
INPUT	Coolir	g Switch S	ettings		I	I	Exte	rnal Static F	ressure (E	.S.P.)		-	1
BTUH	SW2-3	SW2-2	SW2-1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
	OFF	OFF	OFF	2010	1960	1910	1850	1800	1750	1690	1645	1565	1480
	011	OH	OIT	2010	1900	1910	1030	1000	1730	1090	1043	1303	1400
	OFF	OFF	ON	1015	805	645	550	480					
	OFF	ON	OFF	1075	975	915	835	765					
	UFF	ON	OFF	1075	9/5	915	633	705					
	OFF	ON	ON	1205	1135	1055	1000	935					
	ON	OFF	OFF	1400	1330	1260	1190	1145	1080	1035	970	905	845
	ON	OFF	OFF	1400	1330	1200	1190	1145	1000	1035	970	905	043
120000 <sup>6</sup>	ON	OFF	ON	1615	1550	1500	1435	1370	1325	1265	1215	1160	1110
	ON	ON	OFF	2010	1960	1910	1850	1800	1750	1690	1645	1565	1480
	ON	ON	OFF	2010	1960	1910	1650	1600	1750	1690	1045	1505	1460
	ON	ON	ON	note 7	2375	2300	2205	2115	2010	1890	1750	1645	1550
	Mand	01	A ! f1 2		0075	0000	0005	0445	0010	1000	1750	1015	4550
	Maximi	im Cooling	AIMOW <sup>2</sup>	note 7	2375	2300	2205	2115	2010	1890	1750	1645	1550
	Hig	ı ıh Heat Airflo	ow <sup>3</sup>	note 7	2375	2300	2205	2115	2010	1890	1750	1645	1550
	1 10	w Heat Airflo	ow <sup>3</sup>	1735	1675	1625	1560	1500	1455	1395	1345	1285	1225

<sup>1.</sup> Nominal 350 CFM/ton cooling airflow is delivered with SW1-5 and SW4-3 set to OFF.

- 2. Maximum cooling airflow is achieved when switches SW3-1, SW3-2, SW3-3 and SW1-5 are set to ON, and SW4-3 is set to OFF.
- 3. All heating CFM's are when low heat rise adjustment switch (SW1-3) and comfort/efficiency adjustment switch (SW1-4) are both set to OFF.
- 4. Ductwork must be sized for high-heating CFM within the operational range of E.S.P. Operation within the blank areas of the chart is not recommended because high-heat operation will be above 1.0 E.S.P.
- 5. All airflows on 21" (533 mm) casing size furnaces are 5% less on side return only installations.
- 6. Side returns for 24.5" (622 mm) casing sizes require two sides, or side and bottom, to allow sufficient airflow at the return of the furnace.
- 7. Airflow not stable at this E.S.P.

Set both SW1-5 and SW4-3 to ON for +7% airflow (nominal 370 CFM/ton). Set SW1-5 to ON and SW4-3 to OFF for +15% airflow (nominal 400 CFM/ton).

Set SW4-3 to ON and SW1-5 to OFF for -7% airflow (nominal 325 CFM/ton).

### MAXIMUM EQUIVALENT VENT LENGTH - FT. (M)

NOTE: Maximum Equivalent Vent Length (MEVL) does NOT include elbows or terminations. Use Table 2 - Deductions from Maximum Equivalent Vent Length to determine allowable vent length for each application.

Table 1 – Maximum Equivalent Vent Length - Ft. (M) 0 to 4500 Ft. (0 to 1370 M) Altitude

Altitude FT (M)	Unit Size BTU/Hr		DIRECT VENT (2-PIPE) AND NON-DIRECT VENT (1-PIPE)									
					Ve	nt Pipe D	iameter (i	n.)				
		1-	1/2	2	2	2-	1/2	,	3	4		
	40,000*	50 (15.2)		210	(64.0)	250 (76.2)		NA		NA		
	60,000	30	(9.1)	135	(41.1)	235	(71.6)	265	(80.8)	١	IA	
0 to 2000 (0 to 610)	80,000	20	(6.1)	70	(21.3)	175	(53.3)	235	(71.6)	265	(80.8)	
(0 10 010)	100,000	N	IA	25	(7.6)	110	(33.5)	235	(71.6)	265	(80.8)	
	120,000	N	IA	N	IA	15	(4.6)	100	(30.5)	250	(76.2)	
	40,000*	45	(13.7)	198	(60.4)	232	(70.7)	N	IA	N	IA	
ľ	60,000	27	(8.2)	127	(38.7)	222	(67.7)	250	(76.2)	N	IA	
2001 to 3000 (610 to 914)	80,000	17	(5.2)	64	(19.5)	165	(50.3)	222	(67.7)	249	(75.9)	
(01010914)	100,000	NA		22	(6.7)	104	(31.7)	223	(68.0)	250	(76.2)	
	120,000	N	IA	N	IA	11	(3.4)	93	(28.3)	237	(72.2)	
	40,000*	39	39 (11.9)		(56.1)	214	(65.2)	N	IA	N	IA	
ľ	60,000	23	(7.0)	119	(36.3)	210	(64.0)	235	(71.6)	N	IA	
3001 to 4000 (914 to 1219)	80,000	15	(4.6)	59	(18.0)	155	(47.2)	210	(64.0)	232	(70.7)	
(914 to 1219)	100,000	N	IA	19	(5.8)	98	(29.9)	211	(64.3)	236	(71.9)	
	120,000	N	IA	N	IA	8	(2.4)	86	(26.2)	224	(68.3)	
	40,000*	36	(11.0)	177	(53.9)	205	(62.5)	N	IA	١	IA	
4001 to 4500	60,000	21	(6.4)	115	(35.1)	204	(62.2)	228	(69.5)	N	IA.	
(1219 to	80,000	14	(4.3)	56	(17.1)	150	(45.7)	202	(61.6)	224	(68.3)	
1370)	100,000	N	IA	17	(5.2)	94	(28.7)	205	(62.5)	229	(69.8)	
	120,000	N	IA .	N	IA	NA		83	(25.3)	217	(66.1)	

\* Not all families have these models. Note: See notes at end of venting tables. Note: Table 3 for altitudes over 4500 ft. (1370 M)

Table 2 - Deductions from Maximum Equivalent Vent Length - Ft. (M)

Pipe Diameter (in):	1-1	1/2	2	2	2-	1/2	3	*	4*	
Mitered 90° Elbow	8	(2.4)	8	(2.4)	8	(2.4)	NA	NA	NA	NA
Medium Radius 90° Elbow	5	(1.5)	5	(1.5)	5	(1.5)	NA	NA	NA	NA
Long Radius 90° Elbow	3	(0.9)	3	(0.9)	3	(0.9)	3	(0.9)	3	(0.9)
Mitered 45° Elbow	4	(1.2)	4	(1.2)	4	(1.2)	NA	NA	NA	NA
Medium Radius 45° Elbow	2.5	(8.0)	2.5	(8.0)	2.5	(8.0)	NA	NA	NA	NA
Long Radius 45° Elbow	1.5	(0.5)	1.5	(0.5)	1.5	(0.5)	1.5	(0.5)	1.5	(0.5)
Tee	16	(4.9)	16	(4.9)	16	(4.9)	16	(4.9)	16	(4.9)

\* Note: 3 - and 4 - in. Vent pipe systems require long radius elbows.

### **Venting System Length Calculations**

The maximum length for each vent pipe (inlet or exhaust) equals the Maximum Equivalent Vent Length (MEVL) from **Table** 1 or **Table** 3 minus the number of elbows multiplied by the deduction for each elbow in **Table** 2.

Standard vent terminations and concentric vent terminations count for zero deductions.

### **Example**

A direct-vent 60,000 Btuh furnace installed at 2100 ft. (640 M) with 2-in. (51 mm) vent piping. Venting system includes, **FOR EACH PIPE**, (3)  $90^{\circ}$  long radius elbows, (2)  $45^{\circ}$  long radius elbows and a concentric vent kit.

Maximum Equivalent Vent Length				=	127 ft.	(From <b>Table</b> 1)
Deduct (3) 90 long radius	3	х	3 ft.	=	- 9 ft.	(From <b>Table</b> 2)
Deduct (2) 45 long radius	2	х	1.5 ft.	=	- 3 ft.	(From <b>Table</b> 2)
Maximum Vent Length				=	115 ft.	For <b>EACH</b> vent or inlet pipe

Table 3 – Maximum Equivalent Vent Length - Ft. (M) 4501 to 10,000 Ft. (1371 to 3048 M) Altitude

			D	IRECT VE	ENT (2-PIF	PE) AND	NON-DIR	ECT VEN	IT (1-PIP	E)	
Altitude FT (M)	Unit Size					Vent Pipe	Diameter	r			
FI (IVI)		1-	1/2		2	2-	1/2	;	3		4
	40,000 <sup>2</sup> *	33	(10.1)	171	(52.1)	196	(59.7)	١	IA	١	IA
4501 to 5000	60,000	20	(6.1)	111	(33.8)	198	(60.4)	221	(67.4)	N	IA .
(1370 to	80,000	13	(4.0)	54	(16.5)	146	(44.5)	195	(59.4)	216	(65.8)
1524)	100,000	1	NA .	16	(4.9)	91	(27.7)	200	(61.0)	222	(67.7)
	120,000	NA		NA		NA		80 (24.4)		211	(64.3)
	40,000*	27 (8.2)		158	(48.2)	179	(54.6)	N	IA	١	IA
5001 to 6000	60,000	16	(4.9)	103	(31.4)	186	(56.7)	207	(63.1)	١	IA
(1524 to	80,000	11	(3.4)	49	(14.9)	137	(41.8)	183	(55.8)	200	(61.0)
1829)	100,000	1	NA .	12	(3.7)	85	(25.9)	188	(57.3)	208	(63.4)
	120,000	1	۱A	N	IA	N	ΙA	74	(22.6)	199	(60.7)
	40,000*	21	(6.4)	145	(44.2)	162	(49.4)	N	IA	١	IA
6001 to 7000	60,000	13	(4.0)	96	(29.3)	174	(53.0)	194	(59.1)	N	IA
(1829 to	80,000	1	NA		(13.4)	120	(36.6)	171	(52.1)	185	(56.4)
2134)	100,000	1	NA		(3.0)	79	(24.1)	178	(54.3)	195	(59.4)
	120,000	NA		١	IA	١	IA	68	(20.7)	187	(57.0)
	40,000*	15	(4.6)	133	(40.5)	146	(44.5)	N	IA	١	IA
7001 to 8000	60,000	10	(3.0)	89	(27.1)	163	(49.7)	181	(55.2)	NA	
(2134 to	80,000	١	NΑ	40	(12.2)	120	(36.6)	159	(48.5)	170	(51.8)
2438)	100,000	1	IA.	N	IA	73	(22.3)	167	(50.9)	182	(55.5)
	120,000	1	۱A	١	IA	١	IA	62	(18.9)	175	(53.3)
	40,000*	10	(3.0)	121	(36.9)	130	(39.6)	N	IA	١	IA
8001 to 9000	60,000	7	(2.1)	82	(25.0)	152	(46.3)	168	(51.2)	N	IA
(2438 to	80,000	1	ΙA	35	(10.7)	111	(33.8)	148	(45.1)	156	(47.5)
2743)	100,000	1	IA.	N	IA	67	(20.4)	157	(47.9)	170	(51.8)
	120,000	1	۱A	١	IA	١	IA	56	(17.1)	164	(50.0)
	40,000*	5	(1.5)	110	(33.5)	115	(35.1)	N	IA	N	IA
9001 to	60,000	١	NA .	76	(23.2)	142	(43.3)	156	(47.5)	N	IA
10,000 (2743 to	80,000	١	NA .	31	(9.4)	103	(31.4)	137	(41.8)	142	(43.3)
3048)	100,000	١	NA .	N	IA	62	(18.9)	147	(44.8)	157	(47.9)
·	120,000	1	NA		IA	N	IA.	51 (15.5)		153 (46.6)	

<sup>\*</sup>Not all families have these models.

#### NOTES

- 1. 3- and 4-in. Vent pipe systems require long radius elbows.
- 2. Total equivalent vent lengths under 10' for 40,000 Btuh furnaces, require the use of an outlet choke plate at altitudes 0 2000 ft. (0 to 610 M). Failure to use an outlet choke, when required, may result in flame disturbance or flame sense lockout.
- 3. Vent sizing for Canadian installations over 4500 ft (1370m) above sea level are subject to acceptance by the local authorities having jurisdiction.
- 4. NA Not allowed; pressure switch will not close, or flame disturbance may result.
- 5. Do not use pipe size greater than those specified in table or incomplete combustion, flame disturbance, or flame sense lockout may occur.
- 6. Size both the combustion-air and vent pipe independently, then use the larger diameter for both pipes.
- 7. Assume the two 45° elbows equal one 90° elbow. Wide radius elbows are desirable and may be required in some cases.
- 8. Elbows and pipe sections within the furnace casing and at the vent termination should not be included in vent length or elbow count.
- 9. The minimum pipe length is 5 ft. (1.5 M) for all applications.
- 10. Use 3-in. (76 mm) diameter vent termination kit for installations requiring 4-in. (102 mm) diameter pipe.

## MAXIMUM ALLOWABLE EXPOSED VENT LENGTHS INSULATION TABLE - FT. (M)

Maximum Length of Uninsulated and Insulated Vent Pipe-Ft (M)																	
Two				ıl oN	nsulat	ion			3/8-in	. (9.5 ı	mm)		1/2-in. (12.7 mm)				
Stage	Winter Design	Pipe	Pipe D	Diame	ter-inc	hes (	mm)	Pipe	Diame	ter-inc	hes (n	nm)	Pipe	e Diam	eter-in	ches (ı	mm)
Furnace High Heat	Temp°F	Length in Ft. & M	1.5	2.0	2.5	3.0	4.0	1.5	2.0	2.5	3.0	4.0	1.5	2.0	2.5	3.0	4.0
Input	(°C)	1	(38)	(51)	(64)	(76)	(102)	(38)	(51)	(64)	(76)	(102)	(38)	(51)	(64)	(76)	(102)
	/>	Ft.	40.0	35.0	35.0	N/A	N/A	50.0	104.0	94.0	N/A	N/A	50.0	122.0	110.0	N/A	N/A
	20 (-10)	М	12.2	10.7	10.7	N/A	N/A	15.2	31.7	28.7	N/A	N/A	15.2	37.2	33.5	N/A	N/A
	2 ( 22)	Ft.	19.0	14.0	12.0	N/A	N/A	50.0	61.0	54.0	N/A	N/A	50.0	74.0	65.0	N/A	N/A
4000044	0 (-20)	M	5.8	4.3	3.7	N/A	N/A	15.2	18.6	16.5	N/A	N/A	15.2	22.6	19.8	N/A	N/A
40000**	00 ( 00)	Ft.	9.0	3.0	1.0	N/A	N/A	50.0	41.0	35.0	N/A	N/A	50.0	51.0	43.0	N/A	N/A
	-20 (-30)	M	2.7	0.9	0.3	N/A	N/A	15.2	12.5	10.7	N/A	N/A	15.2	15.5	13.1	N/A	N/A
	40 ( 40)	Ft.	3.0	0.0	0.0	N/A	N/A	39.0	29.0	23.0	N/A	N/A	48.0	37.0	30.0	N/A	N/A
	-40 (-40)	M	0.9	0.0	0.0	N/A	N/A	11.9	8.8	7.0	N/A	N/A	14.6	11.3	9.1	N/A	N/A
	00 ( 40)	Ft.	30.0	51.0	51.0	45.0	N/A	30.0	135.0	138.0	120.0	N/A	30.0	135.0	162.0	141.0	N/A
	20 (-10)	М	9.1	15.5	15.5	13.7	N/A	9.1	41.1	42.1	36.6	N/A	9.1	41.1	49.4	43.0	N/A
	0 ( 20)	Ft.	30.0	24.0	23.0	16.0	N/A	30.0	93.0	82.0	69.0	N/A	30.0	111.0	98.0	83.0	N/A
60000	0 (-20)	М	9.1	7.3	7.0	4.9	N/A	9.1	28.3	25.0	21.0	N/A	9.1	33.8	29.9	25.3	N/A
80000	-20 (-30)	Ft.	18.0	11.0	9.0	1.0	N/A	30.0	65.0	56.0	44.0	N/A	30.0	79.0	68.0	55.0	N/A
	-20 (-30)	M	5.5	3.4	2.7	0.3	N/A	9.1	19.8	17.1	13.4	N/A	9.1	24.1	20.7	16.8	N/A
	-40 (-40)	Ft.	10.0	3.0	0.0	0.0	N/A	30.0	48.0	40.0	29.0	N/A	30.0	59.0	50.0	38.0	N/A
	-40 (-40)	M	3.0	0.9	0.0	0.0	N/A	9.1	14.6	12.2	8.8	N/A	9.1	18.0	15.2	11.6	N/A
	20 (-10)	Ft.	20.0	64.0	64.0	56.0	47.0	20.0	70.0	173.0	150.0	125.0	20.0	70.0	175.0	177.0	147.0
	20 (-10)	М	6.1	19.5	19.5	17.1	14.3	6.1	21.3	52.7	45.7	38.1	6.1	21.3	53.3	53.9	44.8
	0 (-20)	Ft.	20.0	32.0	30.0	22.0	11.0	20.0	70.0	104.0	87.0	67.0	20.0	70.0	124.0	104.0	82.0
80000	0 (-20)	M	6.1	9.8	9.1	6.7	3.4	6.1	21.3	31.7	26.5	20.4	6.1	21.3	37.8	31.7	25.0
80000	-20 (-30)	Ft.	20.0	17.0	14.0	6.0	0.0	20.0	70.0	71.0	57.0	40.0	20.0	70.0	86.0	71.0	52.0
	-20 (-00)	M	6.1	5.2	4.3	1.8	0.0	6.1	21.3	21.6	17.4	12.2	6.1	21.3	26.2	21.6	15.8
	-40 (-40)	Ft.	15.0	7.0	5.0	0.0	0.0	20.0	61.0	52.0	40.0	24.0	20.0	70.0	64.0	50.0	33.0
	10 ( 10)	М	4.6	2.1	1.5	0.0	0.0	6.1	18.6	15.8	12.2	7.3	6.1	21.3	19.5	15.2	10.1
	20 (-10)	Ft.	N/A	25.0	79.0	70.0	59.0	N/A	25.0	110.0	186.0	155.0	N/A	25.0	110.0	219.0	182.0
	20 ( 10)	М	N/A	7.6	24.1	21.3	18.0	N/A	7.6	33.5	56.7	47.2	N/A	7.6	33.5	66.8	55.5
	0 (-20)	Ft.	N/A	25.0	40.0	31.0	19.0	N/A	25.0	110.0	109.0	86.0	N/A	25.0	110.0	131.0	104.0
100000	- ( /	M	N/A	7.6	12.2	9.4	5.8	N/A	7.6	33.5	33.2	26.2	N/A	7.6	33.5	39.9	31.7
	-20 (-30)	Ft.	N/A	23.0	21.0	13.0	0.0	N/A	25.0	91.0	74.0	54.0	N/A	25.0	110.0	90.0	68.0
	` '	M	N/A	7.0	6.4	4.0	0.0	N/A	7.6	27.7	22.6	16.5	N/A	7.6	33.5	27.4	20.7
	-40 (-40)	Ft.	N/A	13.0	10.0	1.0	0.0	N/A	25.0	68.0	53.0	35.0	N/A	25.0	83.0	66.0	46.0
	` ′	М	N/A	4.0	3.0	0.3	0.0	N/A	7.6	20.7	16.2	10.7	N/A	7.6	25.3	20.1	14.0
	20 (-10)	Ft.	N/A	N/A	15.0	85.0	73.0	N/A	N/A	15.0	100.0	190.0	N/A	N/A	15.0	100.0	224.0
	20 (-10)	M	N/A	N/A	4.6	25.9	22.3	N/A	N/A	4.6	30.5	57.9	N/A	N/A	4.6	30.5	68.3
	0 (-20)	Ft.	N/A	N/A	15.0	41.0	29.0	N/A	N/A	15.0	100.0	109.0	N/A	N/A	15.0	100.0	131.0
120000	` ,	M	N/A	N/A	4.6	12.5	8.8	N/A	N/A	4.6	30.5	33.2	N/A	N/A	4.6	30.5	39.9
	-20 (-30)	Ft.	N/A	N/A	15.0	20.0	7.0	N/A	N/A	15.0	94.0	71.0	N/A	N/A	15.0	114.0	88.0
	, ,	M	N/A	N/A	4.6	6.1	2.1	N/A	N/A	4.6	28.7	21.6	N/A	N/A	4.6	34.7	26.8
	-40 (-40)	Ft.	N/A	N/A	15.0	7.0	0.0	N/A	N/A	15.0	69.0	48.0	N/A	N/A	15.0	85.0	62.0
* Disco la secula		M maximum pipe	N/A	N/A	4.6	2.1	0.0	N/A	N/A	4.6	21.0	14.6	N/A	N/A	4.6	25.9	18.9

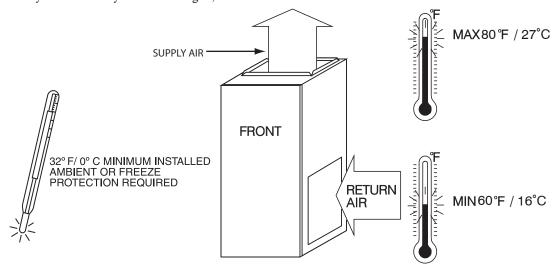
<sup>\*</sup> Pipe length (ft) specified for maximum pipe lengths located in unconditioned spaces. Pipes located in unconditioned space cannot exceed total allowable pipe length calculated from **Table** 1 or 3.

\*\*Not all families have these models.

<sup>†</sup> Insulation thickness based on R value of 3.5 per in.

### RETURN AIR TEMPERATURE

This furnace is designed for continuous return-air minimum temperature of  $60^{\circ}F$  ( $15^{\circ}C$ ) db or intermittent operation down to  $55^{\circ}F$  ( $13^{\circ}C$ ) db such as when used with a night setback thermometer. Return-air temperature must not exceed  $80^{\circ}F$  ( $27^{\circ}C$ ) db. Failure to follow these return air limits may affect reliability of heat exchangers, motors and controls.

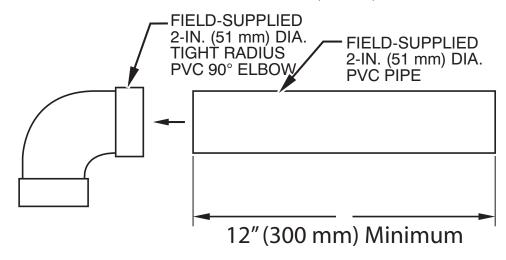


### MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

POSITION	CLEARANCE
Rear	0 (0 mm)
Front (Combustion air openings in furnace and in structure)	1 in. (25 mm)
Required for service	*24 in. (610 mm)
All Sides of Supply Plenum	1 in. (25 mm)
Sides	0 (0 mm)
Vent	0 (0 mm)
Top of Furnace	1 in. (25 mm)

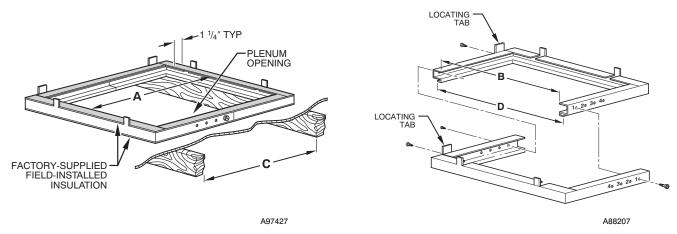
<sup>\*</sup> Recommended

### COMBUSTION-AIR PIPE FOR NON-DIRECT (1-PIPE) VENT APPLICATION



A11487

### **DOWNFLOW SUBBASE**

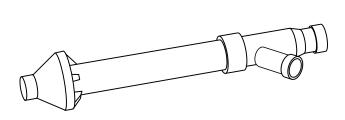


### Assembled

### Disassembled

	DIMENSIONS (IN. / MM)											
FURNACE	FURNACE IN DOWNFLOW	PLENUM (	OPENING*	PENING	HOLE NO. FOR							
CASING WIDTH	APPLICATION	Α	В	С	D	WIDTH ADJUSTMENT						
17-1/2 (444.5)	Furnace with or without Cased Coil Assembly or Coil Box	15-1/8 (384.2)	19 (482.6)	16-3/4 (425.5)	20-3/8 (517.5)	3						
21 (533.4)	Furnace with or without Cased Coil Assembly or Coil Box	18-5/8 (396.4)	19 (482.6)	20-1/4 (514.4)	20-3/8 (517.5)	2						
24-1/2 (622.3)	Furnace with or without Cased Coil Assembly or Coil Box	22-1/8 (562.0)	19 (482.6)	23-3/4 (603.3)	20-3/8 (517.5)	1						

<sup>\*</sup>The plenum should be constructed 1/4-in. (6 mm) smaller in width and depth than the plenum dimensions shown above.



### **Concentric Vent Kit**

A9308

A concentric vent kit allows vent and combustion-air pipes to terminate through a single exit in a roof or side wall. One pipe runs inside the other allowing venting through the inner pipe and combustion air to be drawn in through the outer pipe.

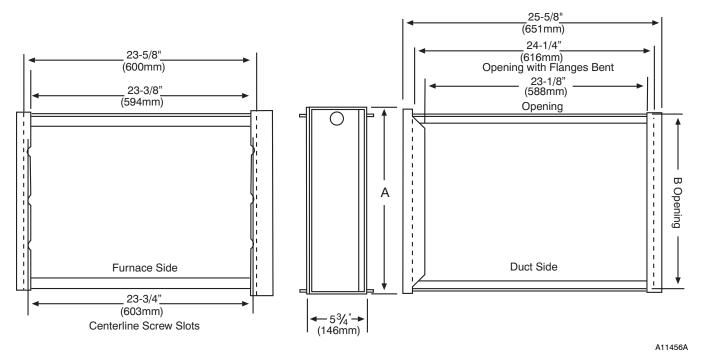


#### **Downflow Subbase**

A8820

One base fits all furnace sizes. The base is designed to be installed between the furnace and a combustible floor when no coil box is used or when a coil box other than a Bryant cased coil is used. It is CSA design certified for use with Bryant branded furnaces when installed in downflow applications.

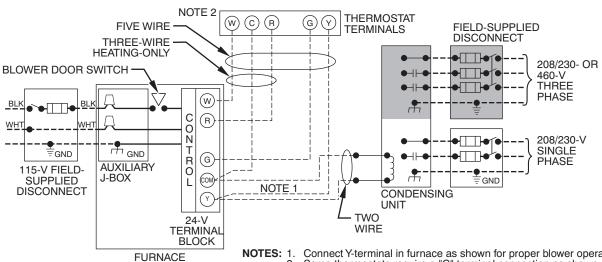
### **MEDIA FILTER CABINET**



DIMENSIONS (IN. / MM)											
MEDIA FILTER CABINET	Α	В	SHIPPED WITH SIZES								
16 (406.4)	17 (432.8)	16 (406.4)	040-08, 040-12, 060-08, 060-12, 080-12, 080-16								
20 (508.0)	21 (533.4)	20 (508)	080-20, 100-16, 100-20								
24 (609.6)	25 (635.0)	24 (609.6)	120-20, 140-20								

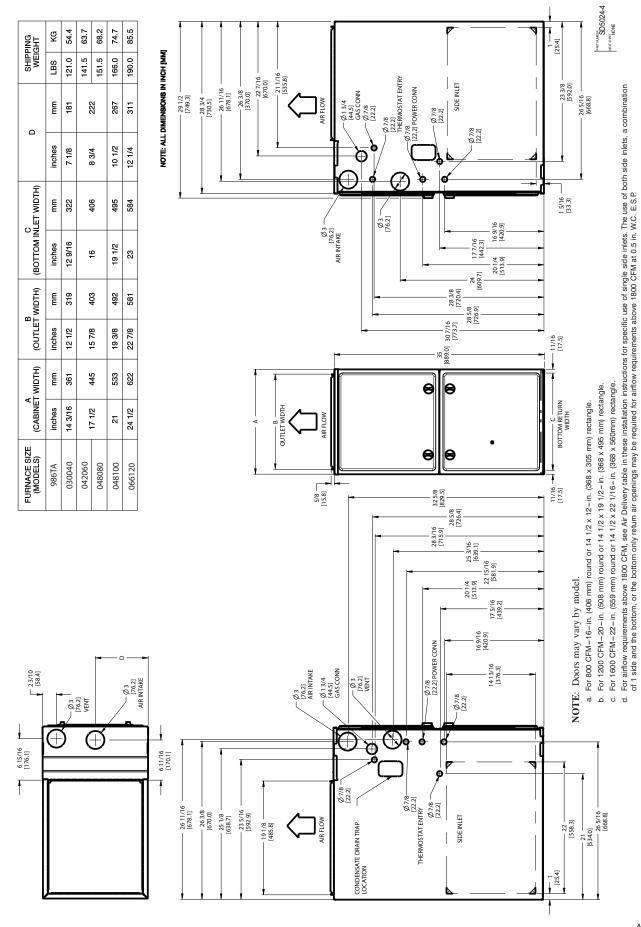
### TYPICAL WIRING SCHEMATIC





- NOTES: 1. Connect Y-terminal in furnace as shown for proper blower operation.
  2. Some thermostats require a "C" terminal connection as shown.
  3. If any of the original wire, as supplied, must be replaced, use same type or equivalent wire.

### **DIMENSIONAL DRAWING**



### **GUIDE SPECIFICATIONS**

#### General

### **System Description**

Furnish a \_\_\_\_\_\_\_4-way multipoise gas-fired condensing furnace for use with natural gas or propane (factory-authorized conversion kit required for propane); furnish cold air return plenum; furnish external media cabinet for use with accessory media filter or standard filter.

#### **Quality Assurance**

Unit will be designed, tested and constructed to the current ANSI Z 21.47/CSA 2.3 design standard for gas-fired central furnaces.

Unit will be third party certified by CSA to the current ANSI Z 21.47/CSA 2.3 design standard for gas-fired central furnaces. Unit will carry the CSA Blue Star® and Blue Flame® labels. Unit efficiency testing will be performed per the current DOE test procedure as listed in the Federal Register.

Unit will be certified for capacity and efficiency and listed in the latest AHRI Consumer's Directory of Certified Efficiency Ratings. Unit will carry the current Federal Trade Commission Energy Guide efficiency label.

### Delivery, Storage, and Handling

Unit will be shipped as single package only and is stored and handled per unit manufacturer's recommendations.

### **Warranty** (for inclusion by specifying engineer)

U.S. and Canada only. Warranty certificate available upon request.

#### **Equipment**

#### Blower Wheel and ECM Blower Motor

Galvanized blower wheel shall be centrifugal type, statically and dynamically balanced. Blower motor of ECM type shall be permanently lubricated with sealed ball bearings, of \_\_\_\_\_hp, and have infinitely variable speed from 600-1200 RPM operating only when 24-VAC motor inputs are provided. Blower motor shall be direct drive and soft mounted to the blower scroll to reduce vibration transmission.

#### **Filters**

Furnace shall h	ave reusable-ty	pe filters.	Filter shall	be in
(mm) X	in. (mm).	An access	ory highly e	fficient Media
Filter is available as an option		Media Filter.		

#### Casing

Casing shall be of .030 in. thickness minimum, pre-painted galvanized steel.

### **Draft Inducer Motor**

Draft inducer motor shall be two-speed design.

#### Primary Heat Exchangers

Primary heat exchangers shall be 3-Pass corrosion- resistant aluminized steel of fold-and-crimp sectional design and applied operating under negative pressure.

#### Secondary Heat Exchangers

Secondary heat exchangers shall be of a stainless steel flow-through of fin-and-tube design and applied operating under negative pressure.

#### Controls

Controls shall include a micro-processor-based integrated electronic control board with at least 16 service troubleshooting codes displayed via diagnostic flashing LED light on the control, a self-test feature that checks all major functions of the furnace, and a replaceable automotive-type circuit protection fuse. Multiple operational settings available, including separate blower speeds for low heat, high heat, low cooling, high cooling and continuous fan. Continuous fan speed may be adjusted from the thermostat. Cooling airflow will be selectable between 325 and 400 CFM per ton of air conditioning. Features will also include temporary reduced airflow in the cooling mode for improved dehumidification when an Evolution Control or T6-PRH is selected as the thermostat.

### **Operating Characteristics**

Heating capacity sh	all be		Btuh input;
Btu	h output capa	city.	
Fuel Gas Efficiency sh	all be	AFUE.	
Air delivery shall be _		cfm mir	nimum at 0.50 in.
W.C. external static pr	essure.		
Dimensions shall	be: depth_	in.	(mm); width
in. (mm);	height	in. (mı	n) (casing only).
Height shall be _	in.	(mm) with	A/C coil and
i	n. (mm) over	all with plenur	n.
Floatrical Doquiro	monte		

#### Electrical Requirements

Electrical supply shall be 115 vol	ts, 60 Hz, single-phase (nominal).
Minimum wire size shall be	AWG; maximum fuse size
of HACR-type designated circ	uit breaker shall be
amps.	

#### **Special Features**

Refer to section of the product data identifying accessories and descriptions for specific features and available enhancements.